

# Britta J Eickholt

## List of Publications by Year in descending order

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Version: 2024-02-01

59  
papers

2,800  
citations

201674

27  
h-index

182427

51  
g-index

67  
all docs

67  
docs citations

67  
times ranked

4336  
citing authors

#	ARTICLE	IF	CITATIONS
1	An inactive pool of GSK-3 at the leading edge of growth cones is implicated in Semaphorin 3A signaling. <i>Journal of Cell Biology</i> , 2002, 157, 211-217.	5.2	226
2	Distinct Priming Kinases Contribute to Differential Regulation of Collapsin Response Mediator Proteins by Glycogen Synthase Kinase-3 in Vivo. <i>Journal of Biological Chemistry</i> , 2006, 281, 16591-16598.	3.4	198
3	Competing autocrine pathways involving alternative neuropilin-1 ligands regulate chemotaxis of carcinoma cells. <i>Cancer Research</i> , 2003, 63, 5230-3.	0.9	167
4	Important Shapeshifter: Mechanisms Allowing Astrocytes to Respond to the Changing Nervous System During Development, Injury and Disease. <i>Frontiers in Cellular Neuroscience</i> , 2018, 12, 261.	3.7	149
5	PTEN couples Sema3A signalling to growth cone collapse. <i>Journal of Cell Science</i> , 2006, 119, 951-957.	2.0	124
6	Sema3A-induced growth-cone collapse is mediated by Rac1 amino acids 17-32. <i>Current Biology</i> , 1999, 9, 991-998.	3.9	123
7	Ubiquitin E3 ligase Nedd4-1 acts as a downstream target of PI3K/PTEN-mTORC1 signaling to promote neurite growth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 13205-13210.	7.1	110
8	Improved methods for marking active neuron populations. <i>Nature Communications</i> , 2018, 9, 4440.	12.8	110
9	Control of Axonal Growth and Regeneration of Sensory Neurons by the p110 $\beta$ PI 3-Kinase. <i>PLoS ONE</i> , 2007, 2, e869.	2.5	106
10	Functionally distinct groups of inherited PTEN mutations in autism and tumour syndromes. <i>Journal of Medical Genetics</i> , 2015, 52, 128-134.	3.2	99
11	Semaphorin/neuropilin signaling influences the positioning of migratory neural crest cells within the hindbrain region of the chick. <i>Developmental Dynamics</i> , 2005, 232, 939-949.	1.8	96
12	Robo1 Regulates Semaphorin Signaling to Guide the Migration of Cortical Interneurons through the Ventral Forebrain. <i>Journal of Neuroscience</i> , 2011, 31, 6174-6187.	3.6	92
13	RIM-binding protein 2 regulates release probability by fine-tuning calcium channel localization at murine hippocampal synapses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 11615-11620.	7.1	86
14	MyosinV controls PTEN function and neuronal cell size. <i>Nature Cell Biology</i> , 2009, 11, 1191-1196.	10.3	82
15	Subcellular targeting and dynamic regulation of PTEN: implications for neuronal cells and neurological disorders. <i>Frontiers in Molecular Neuroscience</i> , 2014, 7, 23.	2.9	72
16	Essential Role of Type I $\alpha$ Phosphatidylinositol 4-Phosphate 5-Kinase in Neurite Remodeling. <i>Current Biology</i> , 2002, 12, 241-245.	3.9	68
17	Function of PTEN during the Formation and Maintenance of Neuronal Circuits in the Brain. <i>Developmental Neuroscience</i> , 2008, 30, 59-64.	2.0	62
18	PTEN in Autism and Neurodevelopmental Disorders. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2019, 9, a036780.	6.2	59

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19	The Neurodevelopmental Implications of PI3K Signaling. <i>Current Topics in Microbiology and Immunology</i> , 2010, 346, 245-265.	1.1	55
20	A Unified Nomenclature and Amino Acid Numbering for Human PTEN. <i>Science Signaling</i> , 2014, 7, pe15.	3.6	50
21	Regulation of PI3K signalling by the phosphatidylinositol transfer protein PITP $\beta$ during axonal extension in hippocampal neurons. <i>Journal of Cell Science</i> , 2008, 121, 796-803.	2.0	49
22	Functional knockdown of neuropilin-1 in the developing chick nervous system by siRNA hairpins phenocopies genetic ablation in the mouse. <i>Developmental Dynamics</i> , 2004, 230, 299-308.	1.8	47
23	Neuronal activity drives matching of pre- and postsynaptic function during synapse maturation. <i>Nature Neuroscience</i> , 2011, 14, 688-690.	14.8	36
24	Phosphorylation of the Actin Binding Protein Drebrin at S647 Is Regulated by Neuronal Activity and PTEN. <i>PLoS ONE</i> , 2013, 8, e71957.	2.5	33
25	Drebrin Regulates Neuroblast Migration in the Postnatal Mammalian Brain. <i>PLoS ONE</i> , 2015, 10, e0126478.	2.5	31
26	$\pi$ 3-kinase delta enhances axonal PIP <sub>3</sub> to support axon regeneration in the adult CNS. <i>EMBO Molecular Medicine</i> , 2020, 12, e11674.	6.9	31
27	A complementary peptide approach applied to the design of novel semaphorin/neuropilin antagonists. <i>Journal of Neurochemistry</i> , 2005, 92, 1180-1190.	3.9	29
28	Mutations in PTRH2 cause novel infantile-onset multisystem disease with intellectual disability, microcephaly, progressive ataxia, and muscle weakness. <i>Annals of Clinical and Translational Neurology</i> , 2014, 1, 1024-1035.	3.7	29
29	Structural Features of Collapsin Required for Biological Activity and Distribution of Binding Sites in the Developing Chick. <i>Molecular and Cellular Neurosciences</i> , 1997, 9, 358-371.	2.2	28
30	Importin $\beta$ 5 Regulates Anxiety through MeCP2 and Sphingosine Kinase 1. <i>Cell Reports</i> , 2018, 25, 3169-3179.e7.	6.4	25
31	The Axonal Membrane Protein PRG2 Inhibits PTEN and Directs Growth to Branches. <i>Cell Reports</i> , 2019, 29, 2028-2040.e8.	6.4	25
32	ATM phosphorylation of the actin-binding protein drebrin controls oxidation stress-resistance in mammalian neurons and <i>C. elegans</i> . <i>Nature Communications</i> , 2019, 10, 486.	12.8	25
33	Drebrin controls scar formation and astrocyte reactivity upon traumatic brain injury by regulating membrane trafficking. <i>Nature Communications</i> , 2021, 12, 1490.	12.8	25
34	Capillary Isoelectric Focusing of Akt Isoforms Identifies Highly Dynamic Phosphorylation in Neuronal Cells and Brain Tissue. <i>Journal of Biological Chemistry</i> , 2016, 291, 10239-10251.	3.4	23
35	Semaphorin signalling. <i>Current Biology</i> , 2009, 19, R504-R507.	3.9	21
36	Optically Induced Calcium-Dependent Gene Activation and Labeling of Active Neurons Using CaMPARI and Cal-Light. <i>Frontiers in Synaptic Neuroscience</i> , 2019, 11, 16.	2.5	21

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37	Secretory Phospholipase A2-IIA Protein and mRNA Pools in Extracellular Vesicles of Bronchoalveolar Lavage Fluid from Patients with Early Acute Respiratory Distress Syndrome: A New Perception in the Dissemination of Inflammation?. <i>Pharmaceuticals</i> , 2020, 13, 415.	3.8	19
38	Intracellular Kinases in Semaphorin Signaling. <i>Advances in Experimental Medicine and Biology</i> , 2007, 600, 24-37.	1.6	19
39	The intermediate filament protein vimentin is essential for axonotrophic effects of Clostridium botulinum C3 exoenzyme. <i>Journal of Neurochemistry</i> , 2016, 139, 234-244.	3.9	14
40	Investigation of hippocampal synaptic transmission and plasticity in mice deficient in the actin-binding protein Drebrin. <i>Scientific Reports</i> , 2017, 7, 42652.	3.3	13
41	Synthesis, characterization and pharmacological evaluation of quinoline derivatives and their complexes with copper(I) in vitro cell models of Alzheimer's disease. <i>Journal of Inorganic Biochemistry</i> , 2021, 217, 111393.	3.5	13
42	Rhombomere Interactions Control the Segmental Differentiation of Hindbrain Neurons. <i>Molecular and Cellular Neurosciences</i> , 2001, 18, 141-148.	2.2	12
43	Unique properties of PTEN-L contribute to neuroprotection in response to ischemic-like stress. <i>Scientific Reports</i> , 2019, 9, 3183.	3.3	11
44	Genome-Wide Analysis of the Phosphoinositide Kinome from Two Ciliates Reveals Novel Evolutionary Links for Phosphoinositide Kinases in Eukaryotic Cells. <i>PLoS ONE</i> , 2013, 8, e78848.	2.5	10
45	Engineering FKBP-Based Destabilizing Domains to Build Sophisticated Protein Regulation Systems. <i>PLoS ONE</i> , 2015, 10, e0145783.	2.5	9
46	Effects of metformin on fertilisation of bovine oocytes and early embryo development: possible involvement of AMPK3-mediated TSC2 activation. <i>Zygote</i> , 2015, 23, 58-67.	1.1	9
47	Emerging roles of phosphoinositide-specific phospholipases C in the ciliates Tetrahymena and Paramecium. <i>Communicative and Integrative Biology</i> , 2011, 4, 576-578.	1.4	7
48	Short Lives with Long-Lasting Effects: Filopodia Protrusions in Neuronal Branching Morphogenesis. <i>PLoS Biology</i> , 2015, 13, e1002241.	5.6	7
49	Regulation of PTEN in neurons by myosin-based transport mechanisms. <i>Advances in Enzyme Regulation</i> , 2010, 50, 119-124.	2.6	5
50	Mood stabilizers and the cell biology of neuronal growth cones. <i>Clinical Neuroscience Research</i> , 2004, 4, 189-199.	0.8	4
51	Effect of exercise on key pharmacokinetic parameters related to metformin absorption in healthy humans: A pilot study. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2020, 30, 858-864.	2.9	4
52	The impact of phosphorylated PTEN at threonine 366 on cortical connectivity and behaviour. <i>Brain</i> , 2022, 145, 3608-3621.	7.6	4
53	Harnessing PTEN's Growth Potential in Neuronal Development and Disease. <i>Neuroscience Insights</i> , 2020, 15, 263310552095905.	1.6	3
54	The actin binding protein drebrin helps to protect against the development of seizure-like events in the entorhinal cortex. <i>Scientific Reports</i> , 2021, 11, 8662.	3.3	3

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55	Precursor types predict the stability of neuronal branches. <i>Journal of Cell Science</i> , 2021, 134, .	2.0	3
56	Adiponectin, leptin and resistin levels in first-episode, drug-naïve patients with psychosis before and after short-term antipsychotic treatment. <i>Journal of Psychosomatic Research</i> , 2022, 157, 110789.	2.6	3
57	New WAVEs in neuronal PI3K signalling. <i>EMBO Journal</i> , 2011, 30, 4693-4695.	7.8	2
58	Emerging roles of phosphoinositide-specific phospholipases C in the ciliates <i>Tetrahymena</i> and <i>Paramecium</i> . <i>Communicative and Integrative Biology</i> , 2011, 4, 576-8.	1.4	2
59	GSK3 <sup>β</sup> and mTORC1 Represent 2 Distinct Signaling Markers in Peripheral Blood Mononuclear Cells of Drug-Naive, First Episode of Psychosis Patients. <i>Schizophrenia Bulletin</i> , 2022, 48, 1136-1144.	4.3	0